

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Eric Brown

General Information

Name: Western Kentucky University
Address: One Big Red Way, Bowling Green, Kentucky 42101
Date application received: December 11, 1996
SIC/Source description: 8221/ Universities
AFS(10-digit) Plant ID: 21-227-00012
Application log number: 50110
Permit number: F-03-001

Application Type/Permit Activity

- | | |
|------------------------------------------------------|-------------------------------------------------------|
| <input checked="" type="checkbox"/> Initial issuance | <input type="checkbox"/> General permit |
| <input type="checkbox"/> Permit modification | <input checked="" type="checkbox"/> Conditional major |
| __Administrative | <input type="checkbox"/> Title V |
| __Minor | <input type="checkbox"/> Synthetic minor |
| __Significant | <input checked="" type="checkbox"/> Operating |
| <input type="checkbox"/> Permit renewal | <input type="checkbox"/> Construction/operating |

Compliance Summary

- | | |
|---------------------------------------------------------------------|-------------------------------------------------------|
| <input type="checkbox"/> Source is out of compliance | <input type="checkbox"/> Compliance schedule included |
| <input checked="" type="checkbox"/> Compliance certification signed | |

APPLICABLE REQUIREMENTS LIST:

- | | | |
|------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> NSR | <input checked="" type="checkbox"/> NSPS | <input checked="" type="checkbox"/> SIP |
| <input type="checkbox"/> PSD | <input type="checkbox"/> NESHAPS | <input type="checkbox"/> Other |
| <input type="checkbox"/> Netted out of PSD/NSR | <input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b) | |

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

Emissions Summary

Pollutant	Actual (tpy)	Potential (tpy)
PM	5.51	5.51
SO ₂	92.62	92.62
NO _x	53.96	53.96
CO	17.63	17.63
VOC	0.903	0.903
LEAD	0.001099	0.001099
HAP \geq 10 tpy (by CAS)	N/A	N/A

Source Process Description:

An operating permit application was received from Western KY University on December 11, 1996 and was considered complete on February 07, 1997. The applicant proposes to operate twenty-five (25) indirect heat exchangers. These heat exchangers consist of 2 coal-fired units (46.6 MMBtu/hr and 50.5 MMBtu/hr), and 23 natural gas fired units (12 with a combined rating of 36.3 MMBtu/hr, 2 72.8 MMBtu/hr units, 8 units with a combined rating of 24.9 MMBtu/hr, and 1 unit with a 20 MMBtu/hr rating). The applicant wishes to also operate a paint spray booth with a maximum operating rate of 0.25 gal/hr. The source has also agreed to take federally enforceable limitations to preclude implementation of Regulation 401 KAR 52:020. The source will limit its annual tons of coal burned at Emission Point 01 and 02 to 6450 tons, and will set a source-wide cap of 750,000,000 cubic feet of natural gas burned in all its boilers.